

## ABSTRACT

System and method of controlling a trajectory of a wellbore comprises conveying a drilling assembly in the wellbore by a rotatable tubular member. The drilling assembly  
5 includes a drill bit at an end thereof that is rotatable by a drilling motor carried by the drilling assembly. The drilling assembly has a first adjustable stabilizer and an second stabilizer spaced apart from the first adjustable stabilizer. The first adjustable stabilizer having set of ribs spaced around the stabilizer, with each rib being independently radially extendable. The position of a first center of the first adjustable stabilizer is adjusted in the wellbore relative to  
10 a second center of the second stabilizer in the wellbore for controlling the trajectory of the wellbore.